

Wave Resource Monitoring

:: Wavegen's directional wave rider buoy gathers valuable site specific wave data.

It can be used to aid the design of wave power systems and estimate resource levels. The buoy records wave height, wave period and direction.

Measured wave data has been simulated in the wave tank to assess model performance and response in "real seas".

Site specific wave data provides the marine energy developer with important information. In terms of field developments, access to "real site data" will assist in the planning of marine operations, while enabling the assessment of plant uptime and accessibility.

A continued programme of on-site monitoring will allow the developer to keep costs to a minimum and reduce plant downtime.



Until recently the wave rider buoy was moored off the coast of Lewis where it spend two years measuring wave data.

Data recorded by the buoy was sent to a land base in the village of Valtos, Uig, Lewis, via a radio link. A maximum wave height of 15.24m was recorded on 15th January 2003.